

86-2-43/45

Some Problems of Rocketry (cont.)

In Fig. 1 the author gives a simplified schematic drawing of a three-stage rocket in which the location of separate parts is shown. In Fig. 2 he gives a schematic diagram of two types of liquid fuel rocket engines and explains how they operate and what their performance is when different types of fuel are used. Two tables showing the specific thrusts developed by fuels and oxidizers presently used as well as by those to be used in the future are given. After discussing the problem of the thrusts required, duration of engine operation, and the fuel and oxidizer containers, the author examines the possibilities of making the weight of the rocket structure, of the engine, and of all elements of equipment and control as small as possible. The author also explains how to find the β factor which characterizes the perfection of rocket design as a whole and then how to compute the maximum or theoretical energy E , the energy spent on the work done by the resistance along the flight trajectory E_c , the energy of the remaining mass of rocket E_p , the energy spent on the lifting of the rocket E_h , and the true kinetic energy E_k . A diagram in Fig. 3 shows the dependence of the maximum theoretical velocity at the end of the active flight lag on the mean speed of the exhaust gases leaving the nozzle

Card 2/3

86-2-43/45

Some Problems of Rocketry (cont.)

(for different β) and a diagram showing the dependence of the maximum theoretical velocity at the end of the active flight lag on the weight of the fuel and oxidizer. Fig. 5 shows a three-stage rocket with a suggested weight of 7000 tons. The author briefly discusses the minimum energy consuming flight trajectories of interplanetary ships. He examines the orbit of Mars which is inclined in relation to the ecliptic by 1.85° and which will require the minimum of energy. In Fig. 6 the distances from the sun to characteristic points on the orbits of the earth and Mars are given.

AVAILABLE: Library of Congress

Card 3/3

MEL'KUMOV, T., general-mayor inzhenerno-tekhnicheskoy sluzhby zasluž-
nennyy deyatel' nauki i tekhniki, prof., doktor tekhnicheskikh
nauk

Soviet science is in the service of the people. Komm.Vooruzh.
Sil 2 no.19:54-56 0 '61. (MIRA 14:9)
(Research, Industrial)

LENIN, I.M., doktor tekhn. nauk, prof.; MALASHKIN, O.M., kand.
tekhn. nauk; SAMOL', G.I., kand. tekhn. nauk; MEL'KUMOV,
T.M., doktor tekhn. nauk, prof.; NAKHIMSON, V.A., red.
izd-va; YEGORKINA, L.I., red.izd-va; EL'KIND, V.D., tekhn.
red.

[Fuel feed systems of motor-vehicle and tractor engines]
Sistemy toplivopodachi avtomobil'nykh i traktornykh dvi-
gatelei. Moskva, Mashgiz, 1963. 312 p. (MIRA 16:12)
(Motor vehicles—Fuel systems)
(Tractors—Fuel systems)

VOROB'YEV, B.N.; SOKOL'SKIY, V.N.; MEL'KUMOV, T.M., otv. red.;
PROKOF'YEVA, N.B., red.izd-va; ASTAF'YEVA, G.A., tekhn.
red.

[Pioneers in rocket engineering: Kibal'chich, TSiolkovskii,
TSander, Kondratiuk; selected works] Pionery raketnoi tekhniki;
Kibal'chich, TSiolkovskii, TSander, Kondratiuk; izbrannye trudy. Moskva, Izd-vo "Nauka," 1964. 670 p.
(MIRA 17:4)

1. Akademiya nauk SSSR. Institut istorii yestestvoznaniya i tekhniki.

MEL'KUMOVA, A. S.

Mel'kumova, A. S. "Plastic operation in gaping of brain ventricles after being injured by a bullet," Sbornik nauch, rabot, posvyashch, 70-letiyu prof. Seppa, Moscow, 1948, p. 291-98

SO: U-3264, 10 April 1953, (Letopis 'nykh Statel, No. 3, 1949

MEL'KUMOVA, A.S.; STREL'TSOVA, N.I.

Data on the pathogenesis and pathogenic therapy of hypertonia. Zhur.
nevr.i psikh. 53 no.12:942-950 D '53. (MLRA 6:12)

1. Nevrologicheskoye otdeleniye polikliniki No.3 (Riga). (Hypertension)

MEL'KUMOVA, A. S., Doc Med Sci -- (diss) "Hernia of the Cerebral Ventricles Following Gunshot Craniocerebral Wounds. Pathogenesis, Clinic, Diagnosis, Surgical Treatment, and Remote Results of Treatment from Seven to 12 Years." Mos, 1957. 30 pp (1st Mos Order of Lenin Medical Inst im I. M. Sechenov), 200 copies (KL, 48-57, 109)

- 61 -

MEL'KUMOVA, A.S. (Moskva)

Clinical aspects of a special form of vibration disease. Gig. truda
i prof. zab. 4 no.5:41-45 My '60. (MIRA 13:9)

1. Sanitarno-gigiyenicheskiy institut imeni F.F. Erismana.
(VIBRATION--PHYSIOLOGICAL EFFECT)
(NERVOUS SYSTEM--DISEASES)

MEL'KUMOVA, A.S.

Cerebral form of vibration sickness caused by general high-frequency vertical vibration. Uch. zap. Mosk.nauch-issl.inst.san. i gig. no.7: 26-36 '69.

(MIRA 15:2)

(VIBRATION__PHYSIOLOGICAL EFFECT)

SHPIL'BERG, P.I.; MEL'KUMOVA, A.S.

Dynamic clinical electroencephalographic studies of vibration sickness
caused by general vibration. Uch. zap. Mosk. nauch-issl. inst. san. i
gig. no. 7:45-51 '60. (MIRA 15:2)

(ELECTROENCEPHALOGRAPHY)
(VIBRATION—PHYSIOLOGICAL EFFECT)

MEL'KUMOVA, A.S.; BYLOV, I.S.; PUSHKINA, N.N.

Clinical aspects of occupational poisoning of thio rubber
workers. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.9:
90-94'61 (MIRA 16:11)

*

MEL'KUMOVA, A.S.; KOROLEVA, V.A.

Action of ultrasound in conjunction with high-frequency
noises on the central nervous system. Uch. zap. Mosk. nauch.-
issl. inst. san. i gig. no.11:29-35 '63.

(MIRA 17:1)

MEL'KUMOVA, A.S., prof.; RUMYANTSEV, G.I., st. nauchn. sotr.;
SHITSKOVA, A.P., otv. red.

[Vibration sickness in concreters and measures for its control; manual for occupational disease specialists, neuropathologists, hygienists, and physicians of polyclinics and medical and public health centers] Vibratsion-naia bolezni' betonschikov i mery bor'by s neiu; posobie dlia profpatologov, nevropatologov, vrachei-gigienistov, vrachei poliklinik i mediko-sanitarnykh chastei. Moskva, Mosk. nauchno-issl. in-t gigieny, 1965. 102 p.
(MIRA 18:10)

(N) L 11776-66 EWT(1)/FS(v)-3 SCTB DD
 ACC NR: AP6002697 SOURCE CODE: UR/0391/66/000/001/0021/0025
 AUTHOR: ⁵⁵ Mel'kumova, A. S. (Moscow); ⁵⁵ Pushkina, N. N. (Moscow) ⁵⁰
 ORG: ⁵⁵ Institute of Hygiene im. F. F. Erisman (Institut gigiyeny) ^B
 TITLE: Clinical and biochemical data concerning the effect of whole-body and local high-frequency vibration on the metabolism of some vitamins
 SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 1, 1966, 21-25
 TOPIC TAGS: vibration, vibration effect, biologic metabolism, human physiology
 ABSTRACT: The authors studied the vitamin metabolism (vitamins C, B₁, B₂, PP, and provitamin A) of 684 workers exposed to industrial vibration in reinforced-concrete component-casting plants. Of this number, 634 were exposed to whole-body vibration (50—100 cps, 0.05—1.3 mm amplitude), and 50 were exposed to noise associated with the vibration (103—108 db). Vitamin metabolisms were monitored by means of blood tests and urine samples, and nutritional data were collected for all subjects. In the first series of tests, which began in 1957, the blood vitamin C content was analyzed in 407 subjects exposed to vibration and 20 control subjects exposed to noise only. The results of this series are found in Table 1. In the second series,
 Card 1/4 UDC: 612.015.6.014.45+613.644:612.015.6

L 11776-66

ACC NR: AP6002697

Table 1. Blood vitamin C content

Work group		Number of subjects	Blood vitamin C content (mg%)	
			M $\pm$ m	t _p
Cement workers exposed to vibration	Healthy subjects	240	0.51 $\pm$ 0.009	0.74 0.05
	Previbration-sickness group	27	0.40 $\pm$ 0.022	4.2 0.001
	Patients with the 1st stage of cerebral vibration sickness	140	0.27 $\pm$ 0.008	19.0 0.001
Subjects exposed to noise	Control	20	0.50 $\pm$ 0.01	—
Total		427	—	—

clinical changes and biochemical variations in the blood vitamin C, B₁, and pyruvic acid content of patients with cerebral and peripheral forms of vibration sickness were surveyed between 1959 and 1963. The results are shown in Table 2.

Card 2/4

L 11776-66

ACC NR: AP6002697

Table 2. Blood vitamin C, B₁, and pyruvic acid content

Type of vibration	Condition of subjects		Vitamin C (mg%)		Vitamin B ₁ (mg%)		Pyruvic acid	
			$\bar{M} \pm m$	t_p	$\bar{M} \pm m$	t_p	$\bar{M} \pm m$	t_p
High-frequency vertical and local leg vibration	Stable, residual cerebral form of vibration sickness	33	0.16 ± 0.01	$9.2 < 0.001$	11.6 ± 0.38	$7.4 < 0.001$	1.27 ± 0.04	$5.0 < 0.001$
Medium- and high-frequency hand vibration	I—II and II stages of hand polyneuritis	13	0.39 ± 0.09	$1.5 > 0.05$	16.1 ± 0.12	$3.8 < 0.001$	1.14 ± 0.05	$2.0 > 0.05$
Control	Healthy	20	0.54 ± 0.04		20.3 ± 1.10		1.02 ± 0.03	

Card 3/4

I. 11776-66

ACC NR: AP6002697

In the third series, it was statistically demonstrated that the vitamin level (C, B₁, B₂, and PP) was lowered in workers exposed to varying intensities of vibration compared to those exposed only to noise. Vitamin deficits were most noticeable in those subjects stricken with vibration sickness. These tests indicate that personnel exposed to vibration have increased vitamin requirements, and the authors suggest that prophylactic vitaminizing be instituted in situations involving the exposure of workers to vibration. Orig. art. has: 2 tables. [CD]

SUB CODE: 06/ SUBM DATE: 06Jan64/ ORIG REF: 016/ OTH REF: 005/

ATD PRESS: 4178

HW

Card 4/4

SAGALOVICH, B. M.; MELKUMOVA, G. G.; GAFUROV, R. A.

Absorptive capacity of the tonsils in inflammation. Vest. otorin.
no.3:23-27 '62. (MIRA 15:6)

1. Iz patofiziologicheskoy laboratorii (zav. - kandidat meditsinskikh nauk B. M. Sagalovich) Gosudarstvennogo nauchno-issledovatel'skogo instituta bolezney ukha, gorla i nosa Ministerstva zdravookhraneniya RSFSR (dir. - prof. N. A. Bobrovskiy), Moskva.

(TONSILS--DISEASES)

MELKUMOVA, G.G. (Moskva)

Development of acidosis in a focus of normergic and hyperergic inflammation. Pat.fiziol.i eksp.terap. 6 no.2:31-35 Mr-Apr '62.

(MIRA 15:8)

1. Iz otdela patofiziologii (zav. - kand.med.nauk B.M.Sagalovich)
Gosudarstvennogo nauchno-issledovatel'skogo instituta ukha, gorla i
nosa (dir. - zasluzhenyy deyatel' nauki prof. V.K.Trutnev [deceased]),
Ministerstva zdravookhraneniya RSFSR.

(INFLAMMATION) (ACIDOSIS)

MELKUNOVA, G. G.

"Data Relating to the Investigation of the Nervous Mechanisms of Interruptions of Diuresis in Sublimat Poisoning." Cand Med Sci, Inst of General and Experimental Pathology, Acad Med Sci USSR, [Moscow], 1953. (RZhBiol, No 1, Sep 54)

SC: Sum 432, 29 Mar 55

MELKUMOVA, G. G.

"The Problem of the Use of Kidney Decapsulation in Acute Mercury Poisoning
p. 209

Problema Reaktivnosti v Patologii, Medgiz, Moscow 1954, 344pp.

MELKUMOVA, G.G. (Moskva)

A little-studied function of the cecum. Pat.fiziol. i eksp.
terap. 3 no.2:69-70 Mr-Ap '59. (MIRA 12:6)

1. Iz otdela obshchey i eksperimental'noy patologii (zav. -
akademi A.D.Speranskiy) Instituta normal'noy i patologiche-
skoy fiziologii AMN SSSR.

(CECUM, eff. of excis.

causing dystrophy in rabbits (Rus))

(NUTRITION DISORDERS, exper.

induced by excis. of cecum in rabbits (Rus))

MELKUMOVA, G.G.

Intravital determination of tissue pH. Biul. eksp. biol. i med. 48
no. 10:114-117 0 '59. (MIRA 13:2)

1. Iz otdela patologicheskoy fiziologii (zav. - kand. med. nauk
B.M. Sagalovich) Gosudarstvennogo nauchno-issledovatel'skogo insti-
tuta ucha, gorla i nosa Ministerstva zdravookhraneniya RSFSR (dir. -
zasluzhennyy deyatel' nauki prof. V.K. Trutnev), Moskva. Predstavlena
deystvitel'nyy chlenom AMN SSSR S.Ye. Severinym.
(HYDROGEN ION CONCENTRATION)

MELKUMOVA, G. G.

Influence of cooling on the development of experimental otitis media.
Vest. otorin. no. 3:26-32 '61. (MIRA 14:12)

1. Iz otdela patofiziologii (zav. - kandidat meditsinskikh nauk
B. M. Sagalovich) Gosudarstvennogo nauchno-issledovatel'skogo instituta
ukha, gorla i nosa Ministerstva zdravookhraneniya RSFSR (dir. -
zasluzhennyy deyatel' nauki prof. V. K. Trutnev[deceased], Moskva).

(TYMPANIC MEMBRANE--DISEASES)
(COLD--PHYSIOLOGICAL EFFECT)

SAGALOVICH, B.M.; MELKUMOVA, G.G.

Absorption of substances of a protein nature from the tonsils
and peritonsillar area. Vest. otorin. 23 no. 1:64-68 Ja-F '61.
(MIRA 14:2)

1. Iz otdela patofiziologii (zav. - kand.med.nauk B.M.
Sagalovich) Gosudarstvennogo nauchno-issledovatel'skogo
instituta ukha, gorla i nosa (dir. - zaslužhannyi deyatel'
nauki prof. V.K. Trutnev [deceased]), Moskva.
(TONSILS) (PROTEIN METABOLISM)

SAGALOVICH, B.M.; ~~MELKUMOVA, G.G.~~

Significance of the specific sensitization of the body in the process of protein resorption from tissues. Biul. eksp. biol. i med. 53 no 4: 84-87 Ap '62. (MIRA 15:4)

1. Iz otdela patologicheskoy fiziologii (zav. - kand.med.nauk B.M. Sagalovich) Nauchno-issledovatel'skogo instituta ukha, gorla i nosa (dir. - zasluzhennyy deyatel' nauki prof. V.K.Trutnev [deceased]) Ministerstva zdravookhraneniya RSFSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR N.N.Zhukovym-Verezbnikovym,
(ALLERGY) (BLOOD PROTEINS)

GAYDINA, G.A.; MELKUMOVA, G.G. (Moskva)

Function of the kidneys in mercuric chloride poisoning before
and after their denervation. Pat.fiziol. i eksp.terap. 7 no.2:
41-46 Mr-Ap'63. (MIRA 16:10)

1. Iz laboratorii eksperimental'noy patologii nervnoy sistemy
(zav. - prof. S.I. Frankshteyn) Instituta normal'noy i pato-
logicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR
prof. V.V.Parin) AMN SSSR.

(MERCURY---TOXICOLOGY) (KIDNEYS---INNERVATION)
(KIDNEY FUNCTION TESTS)

I 36323-65
ACCESSION No: AP5010326

UR/0217/64/009/064/0477/0483

AUTHOR: Sagalovich, B. M.; Melkumova, G. G.

TITLE: Propagation of ultrasonic oscillations which cause aural sensations through the skull

SOURCE: Biofizika, v. 9, no. 4, 1964, 477-483

TOPIC TAGS: acoustic biologic effect, ultrasonic vibration, ultrasonic effect, ultrasonic radiation, biophysics

Abstract: Ultrasonic oscillations of a frequency which allows aural reception spread radially in all directions from the place of contact through the bones of the skull; their velocity and intensity, however, differ. The velocity depends on the density of bone sutures and on the properties of various areas of the skull. The intensity decreases as the vibrations pass through areas of bone sutures and where there is a high density of air-bearing tissue. Definite patterns in intensity and velocity of propagation were observed for the various bones of the skull and for the parts of each bone. Orig. art. has 1 figure and 2 tables.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut ukha, gorla i nosa Ministerstva zdravookhraneniya SSSR, Moscow (State Scientific Research Institute
Card 1/2

L 36323-65
ACCESSION NR: AP5010326

of the Ear, Nose, and Throat, Ministry of Health RSF3K)

SUBMITTED: 24Apr63

EVOL: 00

SUB CODE: LS, GP

NO REF SOV: 003

OTHER: 000

JPE3

Card 2/2 *ho*

SAGALOVICH, B.M.; MELKUMOVA, G.G.; GAFUROV, R.A.

Significance of streptococci in the formation of the barrier function
in inflammation. Zhur. mikrobiol., epid. i immun. 41 no. 9:46-49 S '64.
(MIRA 18:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ukha, gorla i nosa
Ministerstva zdravookhraneniya RSFSR.

SAGALOVICH, B.M.; MELKUMOVA, G.G.; GAFUROV, R.A.

Changes in the barrier function of the inflammation focus
following sensitization and local cooling. Biul. eksp. biol. i
med. 58 no. 10:27-30 0 '64. (MIRA 18:12)

1. Patofiziologicheskaya laboratoriya (zav. - prof. B.M.
Sagalovich) Nauchno-issledovatel'skogo instituta ukha, gorla
i nosa (dir. - prof. N.A. Bobrovskiy) Ministerstva zdravookh-
raneniya RSFSR, Moskva. Submitted July 23, 1963.

L 31219-66

ACC NR: AP6022787

SOURCE CODE: UR/0217/66/011/001/0156/0163

AUTHOR: Sagalovich, B. M.; Melkumova, G. G.ORG: State Scientific Research Institute of Otolaryngology, MZ RSFSR, Moscow
(Gosudarstvennyy nauchno-issledovatel'skiy institut ukha, gorla i nosa MZ RSFSR)TITLE: Range of ultrasound frequencies²² perceived by the human ear

SOURCE: Biofizika, v. 11, no. 1, 1966, 156-163

TOPIC TAGS: man, ultrasonic frequency, ultrasound, piezoelectricity, audition,
acoustic biologic effect, bioelectric phenomenon

ABSTRACT: The threshold of perception by the human ear of ultrasound transmitted through the bones of the skull was studied on subjects 20-40 years old with normal hearing. Ultrasound was generated by means of a lead zirconate-titanate piezoelectric plate and its intensity at the surface of the generating unit was determined by means of a barium titanate plate. The results obtained indicated that the upper limit of the frequencies perceived was at least 225 kc, compared with the upper limit of 20 kc accepted in present-day physiology. Sensitivity to ultrasound decreased with increasing frequencies - thus, the intensity threshold was $0.015 \times 10^{-6} \text{ w/cm}^2$ (81 db) at 29 kc and $75.26 \times 10^{-6} \text{ w/cm}^2$ (115 db) at 225 kc on the average. The thresholds of ultrasound perception in all cases exceeded those of sound in the auditory range transmitted by air. The optimum ultrasound frequency

Card 1/2

L 31219-66

ACC NR: AP6022787

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from the standpoint of the minimum intensity producing an auditory sensation varied with the part of the head to which the piezoelectric generating element was applied. In the 29-130 kc range the most pronounced auditory sensation at 29 kc was produced when the element was applied to the region behind the ears, while the greatest sensitivity in the high-frequency range (130 kc) was observed on application to the front of the head and the sensitivity in the intermediate range (85 kc) was equal on application to both parts of the head. Orig. art. has: 2 figures, 2 tables and 3 formulas. [JPRS]

SUB CODE: 06, 20 / SUBM DATE: 14Apr65 / ORIG REF: 006 / OTH REF: 004

Card 2/2 BLG

BONDAR', Z.A.; MELKUMOVA, I.S.

Changes of serum glycoproteins in liver diseases. Terap. arkh.
32 no. 6:47-54 Je '60. (MIRA 14:1)
(LIVER—DISEASES) (GLYCOPROTEINS)

KAKHNOVSKIY, I.M.; MELKUMOVA, I.S.

Diagnostic value of the diphenylamine reaction in a series of
internal diseases. Lab. delo 7 no.10:8-11 0 '61. (MIRA 14:10)

1. Kafedra fakul'tetskoy terapii (zav. - deystvitel'nyy chlen
AMN SSSR prof. V.N.Vinogradov) lechebnogo fakul'teta I Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(DIPHENYLAMINE)

MELEKIMOVA, I.S.

Significance of determination of aminopherase in the blood
serum in coronary insufficiency. Terap.arkh. 33 no.2:33-40
F '61. (MIRA 14:3)

1. Iz kafedry fakul'tetskoy terapii (zav. - deystvitel'nyy chlen
AMN SSSR prof. V.N. Vinogradov) i Moskovskogo ordena Lenina
meditsinskogo instituta imeni I.M. Sechenova.
(CORONARY HEART DISEASE) (TRANSAMINASE)

STRELYAYEVA, V.M.; LAPAYEVA, N.I.; MEL'KUMOVA, L.P.

Natural tularemia foci in the Turkmen S.S.R. Zdrav. Turk. 8
no. 2:31-34 F'64 (MIRA 17:4)

1. Iz Turkmenskoy respublikanskoy sanitarno-epidemiologicheskoy
stantsii (glavnyy vrach V. Mamayev).

DARBINYAN, M.V.; CHTYAN, G.G.; MELIKOVA, I.S.

Production of magnesium oxide and nitrates from dolomite.
Izv. AN Arm.SSR. Khim.nauki 18 no.4:341-346 1965.

(MIRA 18:12)

1. Yerevansky gosudarstvennyy universitet, kafedra
neorganicheskoy khimii. Submitted July 18, 1964.

ACCESSION NR: AP4033110

S/0120/64/000/002/0066/0068

AUTHOR: Akopova, A. B.; Pachadzhyan, Kh. B.; Melkumova, L. V.

TITLE: Photographic treatment of nuclear emulsions by ultrasonic radiation

SOURCE: Pribery* i tekhnika eksperimenta, no. 2, 1964, 66-68

TOPIC TAGS: nuclear emulsion, NIKFI-R nuclear emulsion, ultrasonic nuclear emulsion, ultrasonics, spurious scattering

ABSTRACT: As a result of extensive experimentation, the optimum conditions for the ultrasonic treatment of NIKFI-R 400-micron nuclear emulsion were found. Barium titanate was used as an ultrasonic radiator at 1,100 kc, 1.25 w/cm . Developer used: amidol, 3 g; sulfite, 12 g; citric acid, 1 g; water, 1 liter; diluted by 1:2 for pH = 6.4. The time of the ultrasonic treatment proved to be only one-fifth that for the conventional photographic treatment which is explained by accelerated diffusion phenomena. The emulsion sensitivity was found to be

Card 1/2

ACCESSION NR: AP4033110

unaltered, but the grainy fog was lower by 20-25%, and the distortion was considerably lower. "The authors deeply thank V. M. Kharitonov for his interest in the work, and N. A. Marutyan for his valuable advice during a discussion of the physical results." Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 13May63

DATE ACQ: 11May64

ENCL: 00,

SUB CODE: NS

NO REF SOV: 003

OTHER: 001

Card 2/2

MEL'KUMOVA, M.A.

Case of excretion of dysentery bacteria in chronic angiocholecystitis.
Zhur.mikrobiol., epid. i immun. 42 no.2:65-68 F '65.

(MIRA 18:6)

1. Tambovskaya gorodskaya infektsionnaya bol'nitsa.

1. 1000-20
ACG-1000

and 1000-20
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transformer
and water
A couple
to 1000-20

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transformer pump
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MELKUMOVA, T. A. Cand Biol Sci -- (diss) "~~The~~ ⁸Biological ~~peculiarities~~
peculiarities of tuber bacteria isolated from various species of alfalfa
cultivated under conditions of the Azerbaydzhan SSR." Mos, 1957. 18 pp
(Acad Sci USSR. Inst of Microbiology), 120 copies (KL, 5-58, 101)

MEERKUMOVA, T.A.

MEERKUMOVA, T.A.

Racial differences of nodule bacteria isolated from different
alfalfa varieties cultivated in the Azerbaijan S.S.R. Izv. AN
SSSR. Ser.biol. no.5:617-624 S-O '57. (MIRA 10:10)

1. Institut mikrobiologii AN SSSR.
(AZERBAIJAN--MICRO-ORGANISMS, NITROGEN-FIXING)
(ALFALFA)

MEL'KUMOVA, T. A.

MEL'KUMOVA, T.A.

Flagella of alfalfa nodule bacteria [with summary in English].
Mikrobiologiya, 26 no.3:313-314 My-Je '57. (MIRA 10:10)

1. Institut mikrobiologii AN SSSR, Moskva.
(MICRO-ORGANISMS, NITROGEN-FIXING)
(ALFALFA)

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Distribution of Azotobacter in soils of the Karabakh Steppe.
Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.8:87-91'61.
(MIRA 16:8)

(KARABAKH STEPPE—AZOTOBACTER)

MELKUMOVA, T.A.

Microflora of some soil types in the Karabakh Steppe. Izv. AN Azerb.
SSR.Ser. biol. i med.nauk no.9:71-78 '61. (MIRA 14:12)
(KARABAKH STEPPE—SOILS—MICRO-ORGANISMS)

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Occurrence of tubercle bacteria in cotton-alfalfa rotation
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SSR. Ser. biol. i med. nauk no.11:91-95 '61. (MIRA 15:3)
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Ja-F '62. (MIRA 15:3)

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(ALFALFA)
(PHYSIOLOGICAL EFFECT)
(MICRO-ORGANISMS, NITROGEN-FIXING)

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Variability of nodule bacteria inside the nodules of legu-
minous plants. Izv. AN SSSR Ser. biol. 28 no.5:693-706 S-0'63
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Moscow.

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Effect of microelements on the activity and virulence of alfalfa
nodule bacteria. Dokl. AN Azerb. SSR 20 no.2:53-57 '64.

(MIRA 17:6)

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akademikom AN AzerSSR G.A.Aliyevym.

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Rare case of myxofibroma of the labium majus. Akush. i gin. 32 no.1:
82 Ja-F '56 (MIRA 9:6)

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soobshcheniya.
(VAGINA--TUMORS)

MEIKUMYAN, B.G., podpolkovnik med. sluzhby

Utilization of camp tents for setting up of a division medical
center. Voen. med. zhur no.3:77-78 Nr '58. (MIRA 12:7)

(MEDICINE, MILITARY AND NAVAL

utilization of camp tents for develop. of Divisional
Med. Center (Rus))

MELKUMYAN, B.G., podpolkovnik meditsinskoy sluzhby; LAVRENT'YEV, K.I.,
kapitan meditsinskoy sluzhby

Experience in the prevention of colds in military personnel.

Voen.-med.zhur. no.3:74-75 Mr '61.

(MIRA 14:7)

(COLD (DISEASE))

MELKUNYAN, B.G. (Tbilisi)

State of mining in Armenia after 1917 until the establishment
of the Soviet regime, 1917-1920. Izv. AN Arm. SSR Nanki o
zem. 18 no.3/4:148-151 '65. (MIRA 16:9)

OGANESYAN, A.G., kand.tekhn.nauk; KALANTARYAN, L.K., inzh.; SARKISYAN, A.M.,
inzh.; BABELYAN, S.M.; MELKUMYAN, D.A., teknik

Synthesis of new rubberlike copolymers. Sbor. nauch. trud. ErPI
no. 20:215-234 '59. (MIRA 14:5)
(Polymers--Synthesis) (Rubber, Synthetic)

MELKUMYAN, G.

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Ministrov Armyanskoy SSR po delam stroitel'stva i arkhitektury.
(Armenia--Construction industry)

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CHANCHAPANYAN, E., tekhn. red.

[Agriculture in the Armenian S.S.R.; statistical manual] Sel'skoe khoziaistvo Armianskoi SSR; statisticheskii sbornik. Pod red. G.G.Melkumiana. Erevan, 1961. 483 p. (MIRA 15:1)

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AGAMIRYAN, G.Y.; TARDZHIMANOV, R.O.; GUKASYAN, V.M.; POGOSYAN,
M.P.; MARUKHYAN, A.O.; MARUNOV, P.M., red.; SAROYAN, P.,
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gos.izd-vo, 1960. 209 p. (MIRA 14:4)

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Armyanskoy SSR (for Martirosyan). 3. Zamestitel' nachal'nika
TSentral'nogo statisticheskogo upravleniya pri Sovete Ministrov
Armyanskoy SSR (for Manvelyan). 4. TSentral'noye statisticheskoye
upravleniye pri Sovete Ministrov Armyanskoy SSR (for Terlemezyan,
Melkumyan, Agamiryan, Tardzhimanov, Gukasyan, Pogosyan, Marukhyan).
5. Nachal'nik otdela statistiki svodneykh rabot TSentral'nogo
statisticheskogo upravleniya pri Sovete Ministrov Armyanskoy SSR
(for Marunov).

(Armenia--Statistics)

MELKUMYAN, G.O.

**Effect of spring field cultivation work on the productivity of
alfalfa grown for seed. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 4
no.11:1005-1011 '51. (MLRA 9:8)**

**1. Armyanskiy nauchno-issledovatel'skiy institut tekhnicheskikh
kul'tur Ministerstva khlopkovodstva SSSR.
(ARMENIA---ALFALFA)**

USSR/Cultivated Plants. Grains.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20267.

Author : G.K. Grigoryan, G.O. Melkumyan, A.K. Markaryan.

Inst : Not given.

Title : The Variety Testing of Corn in Armenia. (O sortoispytaniya kukuruzy v usloviyakh Armenii).

Orig Pub: Izv. AN Arm SSR, biol. i s.-kh. n., 1956, 9, No 10, 53-65.

Abstract: Resulting from corn-variety testing (1956) in various zones of the Armenian SSR, greater productivity during the milky-waxy ripeness stage was witnessed in the Shirakskaya plain, Loriyskaya steppe and Sevan basin in the post-ripening Krug-Groznenskiy variety, and in the north eastern part of the republic, in the Sterling and VIR-42 hybrid post-ripening varieties. The VIR-42 hybrid distinguished itself in grain yield in all of

Card : 1/3

USSR/Cultivated Plants. Grains.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20267.

per hectare of green stuff. At full ripeness the yield of cobs in their husks with the green stuff amounted to 58-65 centners per hectare, and the stalks with leaves to 220-235 centners per hectare.

Card : 3/3

MELKUMYAN, G.O.

Effect of the harvesting time of the first alfalfa crop on the seed yield of the second crop. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 5 no.5:83-87 '52. (MLRA 9:8)

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(ARMENIA--ALFALFA)

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(Armenia--Corn(Maize)--Varieties)

MELKUMYAN, I. S.

Tannin content of oaks in Armenia. Izv. AN Arm. SSR, Biol. i sel'khoz.
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1. Botanicheskiy institut AN Arm. SSR.
(Armenia--Oak) (Tannins)

MELKUMYAN 2.5
MELKUMYAN, I.S.

Bactericidal properties of plants of the Armenian flora. Izv. AN
Arm. SSR. Biol. i sel'khoz. nauki 11 no.1:27-35 Ja '58. (MIRA 11:2)

1. Botanicheskiy institut AN ArmSSR.
(ARMENIA--BOTANY, MEDICAL) (ANTIBIOTICS)

MELKUNYAN, I.S.; KHURSHUDYAN, P.A.

Some biochemical data on the leaves of laurel cultivated in
Armenia. Izv.AN Arm.SSR.Biol.nauki 12 no.2:77-81 F '59.
(MIRA 12:9)

1. Botanicheskiy institut Akademii nauk ArmSSR.
(ARMENIA--LAUREL) (ESSENCES AND ESSENTIAL OILS)

ZOLOTNITSKAYA, S.Ya.; MELKUMYAN, I.S.; VOSKANYAN, V.Ye.

Antimicrobial activity of some alkaloid-bearing plants of
Armenia. Izv. AN Arm.SSR. Biol.nauki 15 no.8:33-38 Ag '62.
(MIRA 16:2)

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(ARMENIA—BOTANY, MEDICAL) (ALKALOIDS)

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New plants, producers of alkaloids with tropane ring, from
the flora of Armenia. Dokl. AN Arm. SSR 41 no.3:164-173 '65.
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[Dialectical materialism and certain problems of contemporary physics] Dialekticheskiy materializm i nekotorye voprosy sovremennoi fiziki. [n.p.] Mosvuzizdat, 1963. 44 p. (MIRA 17:7)

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SO:Knizhnaya Letopis' No. 25, 18 Jun 55

* For Degree of Cadidate in Medical Sciences

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✓ The influence of small doses of phenamine on the activity of immunized serum. M. O. Melkunyan (Med. Inst., Erevan). *Izvest. Akad. Nauk Armyan. S.S.R., Biol. Sel'skokhoz. Nauki* 8, No. 6: 95-100 (1955) (in Russian; Armenian summary).—Addas. of 0.5-2.5 mg./kg. wt. of rabbits increased the agglutination titer of their serum. J. S. Joffe

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(PHENETHYLAMINE) (AGGLUTINATION)

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1. Iz kafedry mikrobiologii Yerevanskogo meditsinskogo instituta.
(SHIGELLA DYSENTERIAE, effect of drugs on,
chloramphenicol & sulfathiazole, resist. (Rus))
(CHLORAMPHENICOL, effects,
on Shigella dysenteriae, resist. (Rus))
(SULFATHIAZOLE, effects,
same)

MIKAELIAN, V.G., prof.; MELKUMYAN, M.O., kand.med.nauk

Drug resistance of local strains of Flexner dysentery bacteria in recent years and their immunogenic characteristics. Trudy Erev.med. inst. no.11:151-155 '60. (MIRA 15:11)

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in Erivan from 1955 to 1958. Zhur. mikrobiol. epid. i immun. 32 no.6:
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1. Iz Instituta epidemiologii i gigiyeny Ministerstva zdravookhraneniya
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(ERIVAN--DYSENTERY)

MIRZABEKYAN, A.O.; VANTSIAN, Ye.A.; MELKUMYAN, P.B.; TOVMASYAN, M.S.

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23 no.1:85-86 Ja-F '64. (MIRA 17:8)

1. Iz laboratorii mikrobiologii (zav. A.O. Mirzabekyan) Instituta epidemiologii i gigiyeny Ministerstva zdravookhraneniya Armyanskoy SSR, Yerevan.

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MELKUMYAN, P.G., kandidat tekhnicheskikh nauk.

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38-39 J1 '56. (MLRA 9:12)

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MELKUMYAN, P.G.

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Azerb.neft.khoz. 38 no.4:40-42 Ap '59. (MIRA 12:7)
(Oil wells--Equipment and supplies)

MELKUMYAN, P.G.

UMKI spanners. Azerb. neft. khoz. 38 no.9:40-41 S '59.
(MIRA 13:2)

(Pipe)

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(Founding) (Hoisting machinery)

MELKUMYAN, S.

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1. Postoyanny predstavitel' Soveta Ministrov Armyanskoy SSR pri
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MELKUMYAN, V.Ye., kand. tekhn.nauk

Photometric devices for determining the composition of the
substance. Mekh. i avtom. proizv. 18 no.1:25-30 Ja '64.
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Zhur. eksp. i klin. med. 5 no.3:75-82 '65.

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